

Manitoba Hydro Undertaking #32

Manitoba Hydro to quantify the U.S. opportunity sales in 2004 and 2005 that were made on-peak. Also, for 2005 and 2006, MH to break down the 13,000 GWh sold to the U.S. by on-peak and off-peak.

Table 1 includes monthly USA dependable and opportunity export sales disaggregated into on and off-peak, where possible.

Disaggregated sales data by on-peak/off-peak is no longer readily available for the period prior to 2005/06 as Manitoba Hydro converted to a new energy scheduling and settlement tracking system early in 2005 in preparation for MISO Day 2, effective April 1, 2005. The legacy system is no longer functional for this type of analysis (reference GRA 2008 COALITION/MH II-32).

However, it is reasonable to assume that almost all of the 2004/05 dependable sales were during the on-peak period, similar to 2005/06. To the extent possible, depending on timing of water conditions, available generation and tie-line capacity, and market constraints, Manitoba Hydro would have first maximized on-peak opportunity sales in 2004/05 rather than selling off-peak. Therefore given the total volume of opportunity sales in 2004/05, it is reasonable to assume that the majority of these sales were made during the on-peak period.

Table 1. USA Export Volumes in GWh.

Month	Dependable			Opportunity			Total On Peak	Total Off Peak	Total US Export
	On Peak	Off Peak	Total	On Peak	Off Peak	Total			
Apr-04			367			82			449
May-04			395			160			555
Jun-04			521			131			652
Jul-04			700			228			928
Aug-04			710			255			965
Sep-04			552			329			881
Oct-04			470			357			827
Nov-04			376			444			820
Dec-04			403			236			639
Jan-05			390			200			590
Feb-05			357			289			646
Mar-05			392			507			899
FY Total			5,633			3,218			8,851
Apr-05	252	58	310	327	358	685	579	416	995
May-05	288	15	303	385	572	957	673	587	1260
Jun-05	362	6	368	369	556	925	731	562	1293
Jul-05	407	38	445	289	597	886	696	635	1331
Aug-05	443	17	460	353	434	787	796	451	1247
Sep-05	333	26	359	377	380	757	710	406	1116
Oct-05	297	7	304	363	499	862	660	506	1166
Nov-05	287	15	302	320	401	721	607	416	1023
Dec-05	288	15	303	240	217	457	528	232	760
Jan-06	288	15	303	256	322	578	544	337	881
Feb-06	273	3	276	229	310	539	502	313	815
Mar-06	311	1	312	295	430	725	606	431	1037
FY Total	3,829	216	4,045	3,803	5,076	8,879	7,632	5,292	12,924